Index of Claims

| Application No.     | Applicant(s) |
|---------------------|--------------|
| 09/648,525          | DAVIS ET AL. |
| Examiner            | Art Unit     |
| Alessandro V. Amari | 2872         |

| Rejected | _ | (Through numeral)<br>Cancelled |
|----------|---|--------------------------------|
| Allowed  | + | Restricted                     |

| Ν | Non-Elected  | A | Appeal   |
|---|--------------|---|----------|
|   | Interference | 0 | Objected |

| Claim             |               |                       | Date   | e               |                         |          |          | Cla   | aim                  |          |                   |              |                 | Date          |         |           |          | CI       | aim        |                 |          |           | С        | ate       | 3        |          |          |           |
|-------------------|---------------|-----------------------|--|-----------------|-------------------------|----------|----------|-------|----------------------|----------|-------------------|--------------|-----------------|---------------|---------|-----------|----------|----------|------------|-----------------|----------|-----------|----------|-----------|----------|----------|----------|-----------|
| _   =             | [ဗ္ဗ],        | ٠, ا                  | l I i  |                 |                         |          |          |       | <u></u>              | 2        | 4                 |              |                 |               |         |           |          |          | <u> </u>   |                 |          |           |          |           | П        | П        | П        |           |
| Final<br>Original | 12/24/03      | 3/9/05                |  |                 |                         |          |          | Final | Original             | 12/24/03 | 6/22/04           | 3/9/05       |                 |               |         |           | }        | Final    | Original   |                 |          |           |          |           | . 1      | ıl       |          |           |
| =   5             | 2 2           | 3   8                 | 1  |                 |                         |          |          | ίΞ    | Ö                    | 12       | 6/2               | ကြ           |                 |               |         |           |          | iī.      | ξ          |                 |          |           |          |           | ı        | .        |          |           |
| L                 | $\perp \perp$ |                       | $\bot$   | $\sqcup \bot$   | $\perp$                 | :        |          |       |                      |          |                   | <u> </u>     | Щ               | $\perp$       | $\perp$ |           | _        | <u> </u> |            |                 |          | _         | _        |           | Ш        |          | $\dashv$ | ᆜ         |
| 1                 |               | <u>√</u> •∕           |  | $\vdash \vdash$ | $\downarrow \downarrow$ | _        |          |       | 51                   | 1        | 1                 |              |                 |               | 4       | _         | L        |          | 101        |                 | $\dashv$ | _         | _        |           | Ш        | $\sqcup$ | _        | _         |
| 2                 |               | 1 1                   |  | $\vdash \vdash$ | +                       |          |          |       | 52                   | 1        | 1                 | 1            | Ш               |               |         | ┷         | _        | L        | 102        |                 | _        | _         | _        | _         |          | Ш        | _        | ┙         |
| 3                 |               | 1 1                   | +  | $\perp$         | 41                      |          |          |       | 53                   | 1        | 1                 | ~            |                 |               | _       | 1_        | L        |          | 103        |                 | _        | _         | _        |           | Ш        | $\sqcup$ |          | _         |
| 4                 |               | 11                    | $\Box$   |                 | $\bot$                  | _        |          |       | 54                   | 1        | 7                 | <b>Y</b>     | Ш               |               | ┸       | ↓_        |          |          | 104        |                 | _        |           |          | Ц         | $\Box$   | _        | _        | _         |
| 5                 |               | 11                    |  | $\vdash \vdash$ | +                       | —        |          |       | <del>-55</del>       | L.,      | Ļ                 | ļ.,          | Ш               |               | 4       | $\bot$    |          |          | 105        |                 | _        | _         | _        | _         | Ш        | _        | $\dashv$ | _         |
| 6                 |               | <u> </u>              | +  | $\vdash \vdash$ | +                       | :        |          |       | 56                   | ٧        | 7                 | ✓            | Щ               | _             | 4       | $\bot$    | Щ        |          | 106        |                 | _        | 4         |          | _         |          | $\perp$  | $\dashv$ | ᆜ         |
| 7                 |               | 11                    |  | $\vdash$        | +-1                     |          |          |       | 57                   |          | ļ.,               | _            |                 | _             | $\perp$ | ╄         |          |          | 107        | Щ               |          | 4         | _        | _         | _        |          | 4        | 4         |
| 8                 |               | <u> </u>              |  | $\vdash$        | +                       |          |          |       | 58                   | <b>v</b> | 1                 |              | $\Box$          |               | +       | $\bot$    | <u> </u> |          | 108        |                 |          | 4         | _        | -         |          | $\dashv$ | $\dashv$ | ᆜ         |
| 9                 |               | 1 1                   |  | <del>-  -</del> | +                       |          |          |       | 59                   | 1        | 1                 | V            | $\dashv$        | _             | +       | +         | _        |          | 109        |                 | _        | _         | _        | _         |          | $\dashv$ | _        | 4         |
|                   |               | 1 1                   |  | -               | 1-1                     |          | }        |       | 60                   | 7        | 1                 | <b>√</b>     | $\Box$          | <u> </u>      | +       | ┿         | Н        |          | 110        | $\Box$          | $\dashv$ | _         | _        | _         | $\dashv$ | $\dashv$ | _        | ᆚ         |
| 11                |               | / <b>/</b>            |  | <del></del>     | +                       | :        | -        |       | 61                   | 1        | 7                 | _            | $\vdash \vdash$ | +             | +-      | +         |          | <u> </u> | 111        | $\sqcup$        | _        | _         | 4        | _         | $\dashv$ | $\dashv$ | $\dashv$ | _         |
| 13                |               |                       | ╅╇┪  | -               | +                       | - :      |          |       | 62                   | 1        | 1                 | 1            | $\vdash \vdash$ | $\dashv$      | +       | +-        | H        | <u> </u> | 112        | $\vdash \vdash$ | -        | 4         | _        | 4         | $\dashv$ | $\dashv$ | $\dashv$ | _         |
|                   |               |                       | +  | $\vdash \vdash$ | +                       |          | - 1      |       | 63                   |          | 7                 | ·            | $\vdash \vdash$ | -             | +       | +-        | Н        |          | 113        | $\sqcup$        | -        | 4         |          | -         | $\dashv$ | _        | $\dashv$ |           |
| 14<br>15          |               |                       | +  | ⊢-              | +                       |          | - }      |       | 64                   | 7        | √ /               | 1            | $\vdash \dashv$ | +             | +       | +         | Н        | <u> </u> | 114        | $\vdash \vdash$ | $\dashv$ | 4         | $\dashv$ | _         |          | _        | $\dashv$ | $\dashv$  |
| 16                |               | 1 1                   | + + +  |                 | ╂╼┤                     | $\dashv$ |          |       | 65                   | 7        | 1                 | V            | $\vdash \vdash$ | $\dashv$      | +       | +         | Н        | <u> </u> | 115        | $\vdash \vdash$ | -        | 4         | -        | $\dashv$  |          | _        | $\dashv$ | $\dashv$  |
| 17                |               | _                     | 1 1 1  | $\vdash\vdash$  | ++                      | -        | -        |       | 66                   |          | 1                 | 1            | $\vdash \vdash$ |               | +       | +         | Н        | <u> </u> | 116        | $\vdash \vdash$ | $\dashv$ | 4         | $\dashv$ | _         |          | _        | $\dashv$ | $\dashv$  |
| 18                |               | / <b>/</b>            | ╂┼┼┼   | $\vdash\vdash$  | +                       |          | ⊪        |       | 67                   | 7        | 1                 | <b>\</b>     | $\vdash$        | $\dashv$      | +-      | +         | Н        | <u> </u> | 117        | $\vdash$        | $\dashv$ | 4         | $\dashv$ |           |          | $\dashv$ | $\dashv$ | 4         |
| 19                |               | 7/7                   | ╂╌╁╌┨  |                 | +                       |          |          |       | 68<br><del>-69</del> | ~        | 1                 | V            |                 | $\dashv$      | ┿       | +         |          |          | 118        | $\vdash$        | -        | 4         | $\dashv$ | _         |          | _        | $\dashv$ |           |
| 20                |               | 17                    | +++  |                 | +                       |          |          |       |                      | 7        |                   | _            | $\vdash$        | $\dashv$      | +       | ╁         | H        |          | 119        |                 | $\dashv$ | -         | $\dashv$ |           | _        | $\dashv$ | $\dashv$ | 4         |
| 21                |               | 7 7                   | <del>   - </del>                                 | $\vdash$        | ┧                       |          | -        |       | 70<br>71             | · V      | 1                 | ニノ           | $\vdash$        | +             | +       | +         | Н        | <u> </u> | 120        | $\dashv$        | +        | +         | $\dashv$ | -         |          | $\dashv$ | $\dashv$ | $\dashv$  |
| 22                |               | / <del>y</del><br>/ = | +  |                 | +                       | $\dashv$ | -        |       | 72                   | _        | 7                 | <del>/</del> | $\vdash$        |               | ╬       | ļ         | Н        | -        | 121        | $\dashv$        | -+       | 4         | $\dashv$ |           | -        | -        | $\dashv$ | 4         |
| 23                |               | <del>) =</del>        | <del>     </del>                                 | +               | ╀┩                      | -        |          |       | 73                   |          | ٧                 | <b>V</b>     | $\dashv$        | <del></del>   | +-      | -         | ┞╌╏      |          | 122        |                 | -        | +         | $\dashv$ | -         | $\dashv$ | $\dashv$ | -        | -         |
| 24                | <del>\</del>  |                       | <del>                                     </del> | -+              | ┨                       |          | -        | -     | 74                   | -        |                   |              | $\dashv$        |               | ╁       |           | Н        |          | 123<br>124 | $\dashv$        | +        | 4         |          |           | -        | -        | $\dashv$ | $\dashv$  |
| 25                |               | / =                   | 1 + 1  | -+              | +                       |          |          |       | 75                   | -        | -                 | _            | $\dashv$        | +             | ┿       | +         | Н        |          | 125        | $\vdash$        | -+       | $\dashv$  | -+       | $\dashv$  | $\dashv$ | $\dashv$ | +        |           |
| 26                |               | / =                   | <del>    </del>                                  | $\dashv$        | +                       | -        | ŀ        |       | 76                   | -        |                   |              | $\vdash$        | +             | +       | ╁         | $\vdash$ |          | 126        | $\dashv$        | -+       | $\dashv$  |          |           | $\dashv$ | $\dashv$ | +        | $\dashv$  |
| 27                |               | 1 2                   | <del>   - </del>                                 | _               | +                       |          | ŀ        | _     | 77                   | -        | -                 |              | -               | +             | ╫       | ╁         | Н        |          | 127        | $\dashv$        | +        | $\dashv$  | -        | -         | $\dashv$ | +        | +        | $\dashv$  |
| 28                | V,            |                       |  | -               | + +                     |          | ŀ        |       | 78                   | -        |                   | -            | $\dashv$        | +             | +       | +         | Н        | -        | 128        | $\dashv$        | -+       | $\dashv$  | $\dashv$ |           | $\dashv$ | $\dashv$ | $\dashv$ | -         |
| 29                |               | / =                   | <del>                                     </del> |                 | 1 1                     |          | iii      | _     | 79                   |          | _                 |              | $\dashv$        |               | +       | ╁╌        | Н        | $\vdash$ | 129        | $\dashv$        | +        | ┥         | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | +        |           |
| 30                |               | 1 3                   |  | _               | 1 1                     |          | ii)      | -     | 80                   |          | _                 |              |                 | +             | +       | ╁┈        | Н        |          | 130        | -               | -1       | +         | +        | -         | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  |
| 31                | 1             | _                     | ╆  |                 | +                       |          | ŀ        |       | 81                   | _        |                   |              | -               | $\dashv$      | ╅       | +         | Н        |          | 131        | $\dashv$        | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | +        | $\dashv$  |
| 32                | 1             | _                     | ++   | _               | † †                     | $\dashv$ | ii)      |       | 82                   | -        |                   | $\dashv$     | -               | +             | +       | +         | Н        |          | 132        | +               | $\dashv$ | $\dashv$  | $\dashv$ | -+        | $\dashv$ | $\dashv$ | +        | $\dashv$  |
| 33                | 1             |                       |  | $\dashv$        | 1 1                     | -        | iii¦     |       | 83                   | $\dashv$ | $\neg$            |              | $\dashv$        | $\dashv$      | 十       | +         | H        | $\vdash$ | 133        | $\dashv$        | $\dashv$ | +         | $\dashv$ | -+        | $\dashv$ | $\dashv$ | +        | $\dashv$  |
| 34                | 7             | _                     | 1 1 1  | $\dashv$        | † †                     | -        | iit      |       | 84                   | $\dashv$ | $\dashv$          | $\neg$       | $\dashv$        | +             | +       | -         | Н        |          | 134        | -               | $\dashv$ | +         | $\dashv$ | $\dashv$  | -+       | $\dashv$ | +        | $\dashv$  |
| 35                | 1             |                       | <del>     </del>                                 | +               | 11                      | $\dashv$ | ı        |       | 85                   | $\neg$   | $\neg$            | $\neg$       | _               | $\dashv$      | $\top$  | $\top$    | Н        |          | 135        | $\dashv$        | $\dashv$ | $\dashv$  | +        | +         | $\dashv$ | +        | $\dashv$ | $\dashv$  |
| 36                | 1             |                       |  |                 | 17                      | -1       | ij       |       | 86                   | $\neg$   |                   | $\neg$       | _               | $\top$        | T       | $\top$    | $\vdash$ |          | 136        | $\dashv$        | $\dashv$ | $\dashv$  | -        | $\dashv$  | $\dashv$ | $\dashv$ | 十        | $\dashv$  |
| 37                | 1             | <del>-</del>          |  | $\neg \uparrow$ | 1 1                     |          |          |       | 87                   |          |                   |              | 一               | $\neg$        | T       | 1         | П        |          | 137        | -               | $\dashv$ | 7         | $\dashv$ | -+        | $\dashv$ | $\dashv$ | +        | $\dashv$  |
| 38-               |               | 1                     |  |                 | $\sqcap$                |          |          |       | 88                   |          | $\neg$            | $\neg$       | 7               | $\top$        | $\top$  | П         | $\vdash$ |          | 138        | 一               | $\top$   | +         | +        | +         | $\dashv$ | 十        | $\dashv$ | $\dashv$  |
| 39                | 1             |                       |  |                 | 11                      | $\neg$   | <u> </u> |       | 89                   |          | $\neg$            |              | 1               | $\dashv$      | $\top$  | $\dagger$ | П        |          | 139        | 寸               | $\dashv$ | $\dagger$ | 十        | 寸         | $\dashv$ | $\dashv$ | +        | $\dashv$  |
| 40                | 1             |                       |  | $\neg$          | $\sqcap$                |          | ľ        | T     | 90                   | ┪        | $\neg$            |              |                 | $\dashv$      | $\top$  | П         | $\Box$   |          | 140        | _               | 十        | +         | 十        | 7         | $\dashv$ | 十        | $\dashv$ | $\dashv$  |
| 44                |               | $\mathbb{I}^{-}$      |  | $\neg$          | $\Box$                  |          |          |       | 91                   | 一        | $\neg$            | $\neg$       |                 | $\neg$        | T       | T         | П        |          | 141        | _               | $\dashv$ | $\dashv$  | $\dashv$ | 7         | $\dashv$ | 十        | $\top$   | $\exists$ |
| 42                | √ \           |                       |  |                 |                         |          | ıŀ       |       | 92                   |          | 二                 | $\Box$       | 丁               |               | $\top$  | $\top$    | $\dashv$ |          | 142        |                 | $\top$   | $\dashv$  | 7        | 寸         | $\dashv$ | 十        | 十        | $\dashv$  |
| 43                | <b>V</b> N    |                       |  |                 | $\Box$                  |          | [        |       | 93                   |          | ╗                 |              | 寸               | $\neg$        | Т       | П         | П        |          | 143        |                 | 十        | $\dashv$  | 寸        | _         | $\dashv$ | $\top$   | $\top$   | $\exists$ |
| 44                | V V           |                       |  |                 |                         |          | Γ        |       | 94                   |          |                   |              |                 | $\Box$ $\Box$ |         |           |          |          | 144        | $\neg$          |          | $\top$    | T        | $\neg$    | $\dashv$ | $\dashv$ | $\dashv$ | $\neg$    |
| 45                | V V           | _                     |  |                 | П                       |          | ::[      |       | 95                   | ┚        |                   | 1            |                 |               |         |           |          |          | 145        | ヿ               | $\neg$   | $\top$    | $\top$   | 寸         | $\neg$   | 寸        | $\top$   | $\exists$ |
| 46                | 7 7           |                       |  |                 |                         |          | [        |       | 96                   |          |                   |              |                 |               | Π       |           |          |          | 146        | $\exists$       | $\neg$   | $\dashv$  | $\dashv$ | $\neg$    | $\dashv$ | $\dashv$ | 十        | ┑         |
| 47                | V V           | V                     | $\Box$   |                 | $\Box$                  |          | [        |       | 97                   |          | J                 |              |                 |               | I       |           |          |          | 147        |                 | 丁        |           |          | $\exists$ | $\neg$   | $\dashv$ | 十        | $\neg$    |
| 4 <del>8-</del>   |               |                       | $\Box$   |                 | $\Box$                  | _]:::    |          | I     | 98                   | $\Box$   |                   |              |                 |               | Ι       |           |          |          | 148        |                 | 丁        | _         |          | $\neg$    | $\neg$   | $\Box$   | $\top$   | $\neg$    |
| 49                | V V           |                       |  |                 |                         | _        |          |       | 99                   |          |                   |              | $\Box$          | $\perp$       |         |           |          |          | 149        | J               | T        | Ī         |          |           | 丁        | ⇉        | T        |           |
| 50                | √ V           | V                     |  |                 |                         |          | L        |       | 100                  | I        | $oldsymbol{\bot}$ | $\perp$      |                 | $\perp$       |         |           |          |          | 150        | $\Box$          |          | T         | T        | T         | $\neg$   | I        | Т        |           |